



Practitioner's Docket No. 2000DE402/D

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Krull, et al.

Application No.: 10/668,005

Group No.:

Filed: 9/22/2003

For: Multifunctional Additive For Fuel Oils

Commissioner for Patent

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

CERTIFICATION UNDER 37 C.F.R. Sections 1.8(a) and 1.10*

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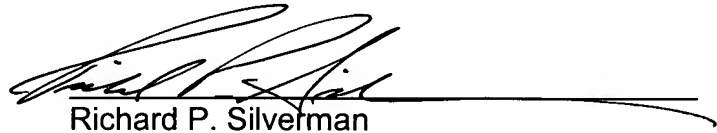
Dear Sir:

In accordance with the duty of disclosure provisions of 37 CFR §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith).

1. ☒ Enclosures accompanying this Information Disclosure Statement are:
 - 1a. ☒ Form PTO-1449.
 - 1b. ☒ Copies of Information Disclosure Statement citations.
 - 1c. ☒ EPO Search Report for EP application no. EP00128082, mail date 5/21/2001.
 - 1d. ☒ Copies of Co-pending U.S. Applications.
 - 1e. ☒ German office action regarding corresponding DE 10000650.7, 8/23/2000.
2. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(b) with the filing of the U.S. patent application. Accordingly, no fee or §1.97(e) Statement is required.
3. ☒ This Information Disclosure Statement is filed under 37 CFR §1.97(b) before the latter of three months after the U.S. patent application filing date or the first Office Action on the merits. Accordingly, no fee or §1.97(e) Statement is required.
4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the first Office Action on the merits, but before a Final Office Action or a Notice of Allowance. The \$180.00 fee set forth in 37 CFR §1.17(p) in accordance with 37 CFR §1.97(c) is to be charged to Deposit Account No. 03-2060.
5. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(e) in that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. Accordingly, no fee is required.
6. ☐ This Information Disclosure Statement is filed in conjunction with a Request For Continued Examination. Accordingly, no fee or §1.97(e) Statement is required.

7. ☒ The English language documents identified by reference in the TRANSLATION Section of the foreign patents list of the attached 1449 Form are believed to be a concise statement, or the equivalent or substantial equivalent to the foreign language documents cited in the attached 1449 Form.
8. ☒ In addition to the documents cited, the Office's attention is directed to the following co-pending U.S. Application Serial Number(s), copies of which are attached for the convenience of the Office:
- a. U.S. serial no. 09/111,195, filed 7/7/1998, Krull, et al.

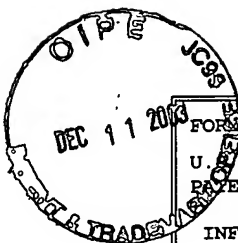
Respectfully submitted,



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FORM PTO-1449 U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (37 CFR 1.98(b))	ATTY. DOCKET NO. 2000DE402/D	SERIAL NO. 10/668,005
APPLICANT: Krull et al.		
FILING DATE: 9/22/02		GROUP:

U.S. PATENT DOCUMENTS

Examiner Initial		Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,491,455	1/1/85	Ishizaki et al.	44	61	
	AB	4,713,088	12/15/87	Tack et al.	44	62	
	AC	4,810,260	3/7/89	Tack et al.	44	62	
	AD	4,863,486	9/5/89	Tack et al.	44	62	
	AE	4,985,048	1/15/91	Wirtz et al	44	394	
	AF	5,186,720	2/16/93	Feustel et al.	44	351	
	AG	5,254,652	10/19/93	Reimann et al.	526	331	
	AH	5,391,632	2/21/95	Krull et al.	525	327.6	
	AI	5,705,603	1/6/98	Krull et al.	528	332	
	AJ	5,767,190	6/16/98	Krull et al.	524	563	
	AK	5,789,510	8/4/98	Krull et al.	526	281	
	AL	5,891,203	4/6/99	Ball et al.	44	388	
	AM	5,998,530	12/07/99	Krull et al.	524	474	
	AN	6,010,989	6/04/00	Krull et al.	528	475	
	AO	6,281,292	8/28/01	Krull et al.	525	223	
	AP	6,384,170	5/7/02	Krull et al.	526	348	
	AQ						

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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APPLICANT: Krull et al.		
FILING DATE: 9/22/02	GROUP:	

FOREIGN PATENT OR PUBLISHED FOREIGN APPLICATION							
		DOCUMENT NUMBER	PUB. DATE	COUNTRY			TRANSLATION
	BA	EP 0 153 176	8/28/85	Europe			English
	BB	EP 0 320 766	6/21/89	Europe			See AE Above
	BC	EP 0 413 279	2/20/91	Europe			See AF Above
	BD	EP 0 493 769	7/08/92	Europe			See AG Above
	BL	EP 0 606 055	7/13/94	Europe			See AH Above
	BL	EP 0 680 506	11/8/95	Europe			English
	BG	WO 95/33805	12/14/95	WIPO			English
	BH	EP 0 688 796	12/27/95	Europe			See AI Above
	BI	WO 96/21709	6/18/96	WIPO			English
	BJ	WO 96/18708	6/20/96	WIPO			English
	BK	EP 0 680 506	1/22/97	Europe			English
	BL	EP 0 807 642	11/19/97	Europe			See AJ Above
	BM	EP 0 807,643	11/19/97	Europe			See AK Above
	BN	EP 0 807 676	11/19/97	Europe			English
	BO	WO 97/45507	12/4/97	WIPO			English
	BP	DE 197 00 159	7/9/98	Germany			See AM Above
	BQ	EP 0 857 776	08/12/98	Europe			See AM Above
	BR	EP 0 892 012	1/20/99	Europe			See U.S. serial no. 09/111,195
	BS	EP 0 900 836	3/10/99	Europe			See AN Above
	BT	EP 0 926 168	6/30/99	Europe			See AP Above
	BU	EP 0 960 908	12/01/99	Europe			See AO Above
	BV	WO 99/61562	12/2/99	WIPO			English

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication**)

	CA	Ullmann's Encyclopedia of Industrial Chemistry, Vol. A21, p. 305-413, 1992
	CB	J. March, Advanced Organic Chemistry, 2. Auflage, S. pp. 347-360, (1977)
	CC	N.A. Plate & V.P. Shibaev, J. Polymer Sci.: Macromolecular Reviews, Vol. 8, Comb-like polymers, structure and properties, p. 117-253 (1974)
	CD	D. Wie, H. Spikes, Wear, Vol. 111, Nr. 2 p. 217-235 (1986)
EXAMINER		DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



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	APPLICANT: Krull et al.	
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	CE		English abstract for JP 10-130666, 5/19/1998
	CF		English abstract for JP 10-237468, 9/8/1998
EXAMINER			DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			